CLAIMS

1. A terminal device comprising display means; mediating means; and authentication-information transmitting means,

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wherein the display means comprises a display function for displaying electronic information provided through a network so that a user can browse the information; a specifying-information receiving function for receiving specifying information for specifying the mediating means; and a specifying function for specifying the mediating means by using the received specifying information,

the mediating means is specified by the specifying function and starts the authentication-information transmitting means, and

the authentication-information transmitting means is started by the mediating means and transmits device-authentication information to an authentication server.

A terminal device according to Claim 1, further
 comprising:

authentication-result receiving means for receiving an authentication result from the authentication server;

authentication-result transmitting means for transmitting the received authentication result to a providing server for providing electronic information; and

electronic-information receiving means for receiving electronic information transmitted from the providing server based on the transmitted authentication result.

- 3. A terminal device according to Claim 2, wherein the mediating means comprises a using function for using electronic information received from the providing server.
- 4. A terminal device according to Claim 2, further 10 comprising:

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requesting means for requesting electronic information to the providing server,

wherein the specifying-information receiving function receives specifying information which is transmitted from the providing server based on the request.

5. A terminal device according to Claim 1, wherein the specifying-information receiving function receives specifying information including access information used for accessing the authentication server, and

the authentication-information transmitting means accesses the authentication server by using the received access information.

6. A terminal device according to Claim 5, wherein the

authentication server comprises a plurality of authentication servers, and the specifying-information receiving function receives specifying information including access information for each of the authentication servers ranked in an access precedence order.

7. A terminal device according to Claim 2, wherein the specifying-information receiving function receives specifying information including access information used for accessing the providing server, and

the authentication-result transmitting means accesses the providing server by using the received access information.

8. A providing server for providing electronic information to the terminal device according to Claim 2, comprising:

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specifying-information transmitting means for transmitting specifying information used by the display means of the terminal device for specifying the mediating means which starts the authentication-information transmitting means;

authentication-result receiving means for receiving an authentication result from the terminal device; and electronic-information transmitting means for

transmitting electronic information based on the received authentication result.

9. An electronic-information using method performed in a computer comprising display means; mediating means; and authentication-information transmitting means, the method comprising:

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a display step of realizing, by the display means, a display function for displaying electronic information provided through a network so that a user can browse the information, a specifying-information receiving function for receiving specifying information for specifying the mediating means, and a specifying function for specifying the mediating means by using the received specifying information;

a mediating step of specifying the mediating means by the specifying function in the display step and allowing the mediating means to start the authentication-information transmitting means; and

an authentication-information transmitting step of transmitting device-authentication information to an authentication server by starting the authentication-information transmitting means in the mediating step.

10. An electronic-information providing method used in a

providing server for providing electronic information to the terminal device according to Claim 2,

wherein the providing server comprises specifyinginformation transmitting means; authentication-result receiving means; and electronic-information transmitting means, and

the electronic-information providing method comprises:

a specifying-information transmitting step of transmitting, by the specifying-information transmitting means, specifying information used by the display means of the terminal device for specifying the mediating means for starting the authentication-information transmitting means;

an authentication-result receiving step of receiving, by the authentication-result receiving means, an authentication result from the terminal device; and

an electronic-information transmitting step of transmitting, by the electronic-information transmitting means, electronic information based on the received authentication result.

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11. A terminal-device program for realizing, in a computer, a display function; a mediating function; and an authentication-information transmitting function,

wherein the display function comprises a display

25 function for displaying electronic information provided

through a network so that a user can browse the information; a specifying-information receiving function for receiving specifying information for specifying the mediating function; and a specifying function for specifying the mediating function by using the received specifying information,

the mediating function is specified by the specifying function and starts the authentication-information transmitting function, and

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the authentication-information transmitting function is started by the mediating function and transmits device-authentication information to an authentication server.

12. A providing-server program for providing electronic

information to the terminal device according to Claim 2, the

program realizes, in a computer:

a specifying-information transmitting function for transmitting specifying information used by the display function of the terminal device for specifying the mediating function which starts the authentication-information transmitting function;

an authentication-result receiving function for receiving an authentication result from the terminal device; and

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transmitting electronic information based on the received authentication result.

13. A computer-readable storage medium storing a terminal-device program for realizing, in a computer, a display function; a mediating function; and an authentication-information transmitting function,

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wherein the display function comprises a display function for displaying electronic information provided through a network so that a user can browse the information; a specifying-information receiving function for receiving specifying information for specifying the mediating function; and a specifying function for specifying the mediating function by using the received specifying information,

the mediating function is specified by the specifying function and starts the authentication-information transmitting function, and

the authentication-information transmitting function is started by the mediating function and transmits device-authentication information to an authentication server.

14. A computer-readable storage medium storing a providing-server program for providing electronic information to the terminal device according to Claim 2, the

program realizes, in a computer:

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a specifying-information transmitting function for transmitting specifying information used by the display function of the terminal device for specifying the mediating function which starts the authentication-information transmitting function;

an authentication-result receiving function for receiving an authentication result from the terminal device; and

an electronic-information transmitting function for transmitting electronic information based on the received authentication result.

15. A terminal device comprising information

communication means; electronic-information using means; and authentication-information management means,

wherein the information communication means comprises a function for receiving authentication-trigger information required for using electronic information provided through a network; a function for analyzing specifying information for specifying the electronic-information using means based on the authentication-trigger information; and a specifying function for specifying the electronic-information using means based on the specifying information,

the electronic-information using means is specified by

the specifying function and starts the authenticationinformation management means, and

the authentication-information management means is started by the electronic-information using means, reads device-authentication information, and transmits the information to an authentication server.

16. A terminal device according to Claim 15,

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wherein the authentication-information management means receives an authentication result from the authentication server,

the electronic-information using means transmits the authentication result to a providing server which provides electronic information, and

- the information communication means receives electronic information transmitted from the providing server based on the authentication result.
- 17. A terminal device according to Claim 16, wherein the electronic-information using means comprises a using function for using electronic information received from the providing server.
- 18. A terminal device according to Claim 17, wherein the electronic-information using means allows a user to browse

electronic information, plays back electronic information as music content, or plays back electronic information as moving-picture content.

- 19. A terminal device according to Claim 15, wherein the authentication-trigger information includes authentication-server access information used for accessing the authentication server.
- 20. A terminal device according to Claim 19, wherein the authentication-trigger information includes authentication-server access information for each of the authentication servers ranked in an access precedence order.
- 21. A terminal device according to Claim 16, wherein the authentication-trigger information includes providing-server access information used for accessing the providing server, and the authentication result is transmitted to the providing server by using the providing-server access information.
 - 22. A providing server for providing electronic information requiring authentication to a terminal device, comprising:
- 25 authentication-trigger-information transmitting means

for transmitting, to the terminal device, authenticationtrigger information including specifying information for specifying electronic-information using means which starts authentication-information management means;

authentication-result receiving means for receiving, from the terminal device, an authentication result of the terminal device generated in an authentication server; and

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electronic-information providing means for providing electronic information based on the received authentication result.

23. An electronic-information using method performed in a terminal device comprising information communication means; electronic-information using means; and authentication-information management means, the method comprising:

an information communication step of processing, by the information communication means, a function for receiving authentication-trigger information required for using electronic information provided through a network, a function for analyzing specifying information for specifying the electronic-information using means based on the authentication-trigger information, and a specifying function for specifying the electronic-information using means based on the specifying information;

a starting step of starting the authentication-

information management means by being specified by the specifying function in the information communication step; and

an authentication-information management step of starting the authentication-information management means in the starting step, reading device-authentication information, and transmitting the information to an authentication server.

24. An electronic-information using method according to 10 Claim 23,

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wherein, in the authentication-information management step, the authentication-information management means receives an authentication result from the authentication server and transmits the authentication result to a providing server for providing electronic information, and

the information communication step comprises an electronic-information receiving step, in which the information communication means receives electronic information transmitted from the providing server based on the authentication result.

25. An electronic-information using method according to Claim 24, further comprising an electronic-information using step, in which the electronic-information using means further comprises a using function for using electronic

information received from the providing server.

- 26. An electronic-information using method according to Claim 25, wherein the electronic-information using means allows a user to browse the electronic information, plays back electronic information as music content, or plays back electronic information as moving-picture content.
- 27. An electronic-information using method according to Claim 23, wherein the authentication-trigger information includes authentication-server access information used for accessing the authentication server.
- 28. An electronic-information using method according to

 Claim 27, wherein the authentication-trigger information

 includes authentication-server access information for each

 of the authentication servers ranked in an access precedence

 order.
- 29. An electronic-information using method according to Claim 24, wherein the authentication-trigger information includes providing-server access information used for accessing the providing server, and, in the authentication-information management step, the authentication result is transmitted to the providing server by using the providing-

server access information.

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30. An electronic-information providing method performed in a providing server for providing electronic information requiring authentication to a terminal device, the method comprising:

an authentication-trigger-information transmitting step of transmitting, to the terminal device, authentication-trigger information including specifying information for specifying electronic-information using means for starting authentication-information management means;

an authentication-result receiving step of receiving, from the terminal device, an authentication result of the device generated in an authentication server; and

an electronic-information providing step of providing electronic information based on the received authentication result.

31. A terminal-device program comprising an information communication function; an electronic-information using function; and an authentication-information management function,

wherein the information communication function comprises a function for receiving authentication-trigger information required for using electronic information

provided through a network, a function for analyzing specifying information for specifying the electronic-information using means based on the authentication-trigger information, and a specifying function for specifying the electronic-information using means based on the specifying information,

the electronic-information using means is specified by the specifying function and starts the authentication-information management means, and

the authentication-information management means is started by the electronic-information using means, reads device-authentication information, and transmits the information to an authentication server.

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32. A terminal-device program according to Claim 31, wherein the following functions are realized in a computer:

an authentication-result receiving function for receiving an authentication result from the authentication server;

an authentication-result transmitting function for transmitting the received authentication result to a providing server for providing electronic information; and

an electronic-information receiving function for receiving electronic information transmitted from the providing server based on the transmitted authentication

result.

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- 33. A terminal-device program according to Claim 31, wherein the electronic-information using function comprises a using function for using electronic information received from the providing server.
- 34. A terminal-device program according to Claim 33, wherein the electronic-information using function allows a user to browse the electronic information, plays back electronic information as music content, or plays back electronic information as moving-picture content.
- 35. A terminal-device program according to Claim 31,
 wherein the authentication-trigger information includes
 authentication-server access information used for accessing
 the authentication server.
- 36. A terminal-device program according to Claim 31,

 20 wherein the authentication server comprises a plurality of authentication servers, and the authentication-trigger information includes authentication-server access information for each of the authentication servers ranked in an access precedence order.

37. A terminal-device program according to Claim 32, wherein the authentication-trigger information includes access information used for accessing the providing server, and the authentication result is transmitted to the providing server by using the providing-server access information.

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38. A providing-server program performed in a providing server for providing electronic information requiring authentication to a terminal device, wherein the following functions are realized in a computer:

an authentication-trigger-information transmitting function for transmitting, to the terminal device, authentication-trigger information including specifying information for specifying electronic-information using means for starting authentication-information management means;

an authentication-result receiving function for receiving, from the terminal device, an authentication result of the device generated in an authentication server; and

an electronic-information providing function for providing electronic information based on the received authentication result.